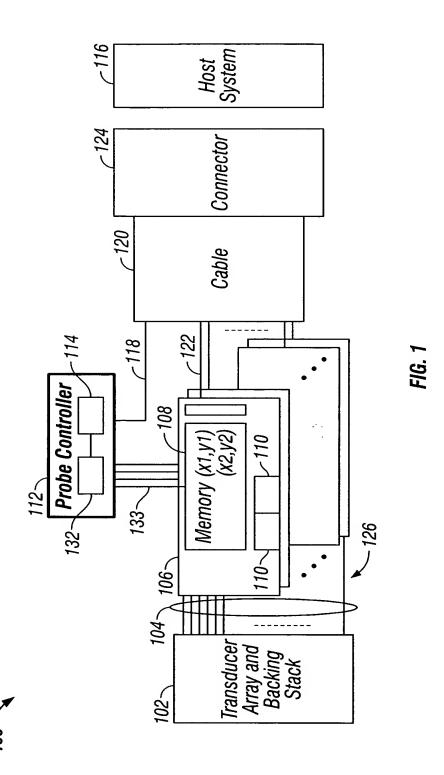
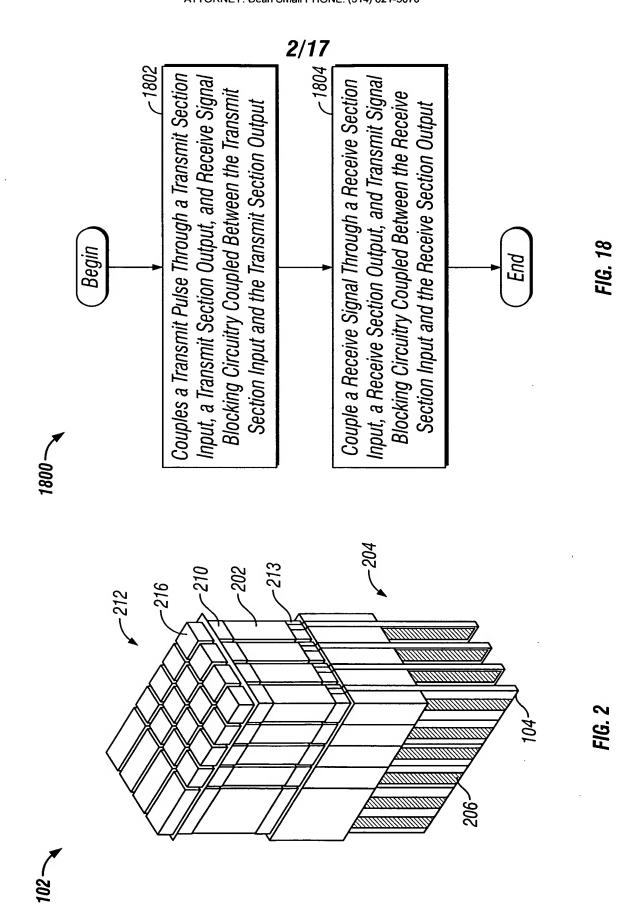
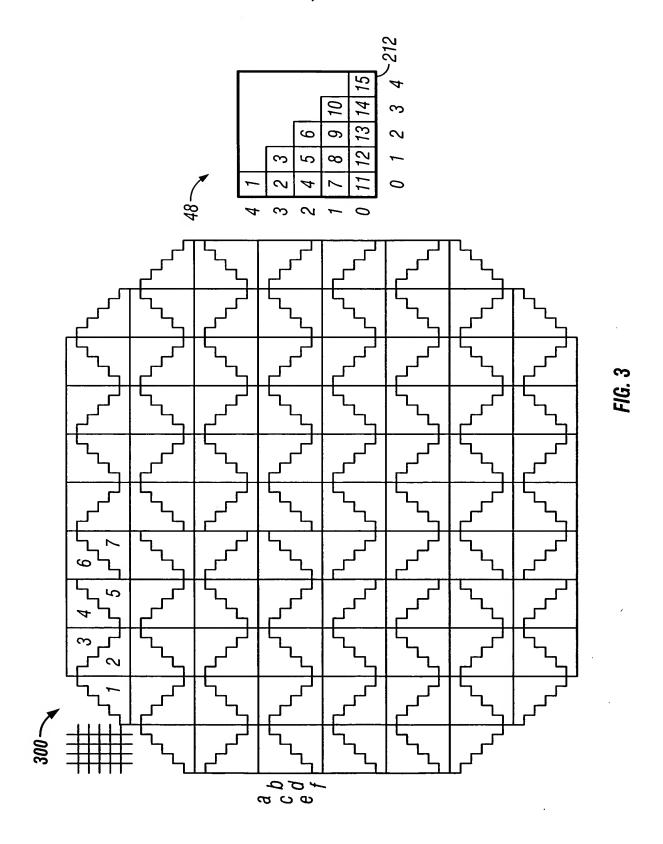


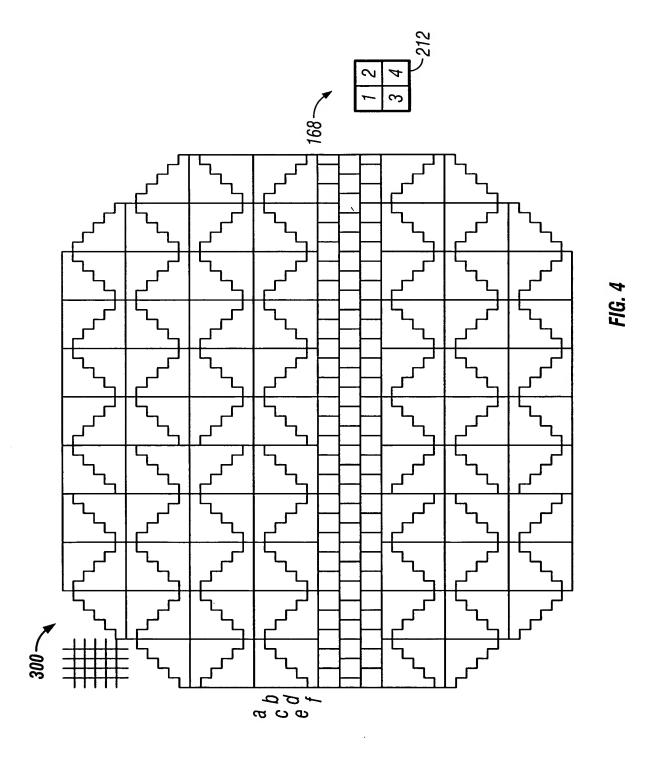
TITLE: Ultrasound Probe Distributed Beamformer INVENTORS: Geir Ultveit Haugen, Per Arne Linnerud and Kjell Kristoffersen S/N: 10/719,417 DOCKET: 135274 (AT 12553-01043) ATTORNEY: Dean Small PHONE: (314) 621-5070 Replacement Sheet







TITLE: Ultrasound Probe Distributed Beamformer INVENTORS: Geir Ultveit Haugen, Per Arne Linnerud and Kjell Kristoffersen S/N: 10/719,417 DOCKET: 135274 (AT 12553-01043) ATTORNEY: Dean Small PHONE: (314) 621-5070



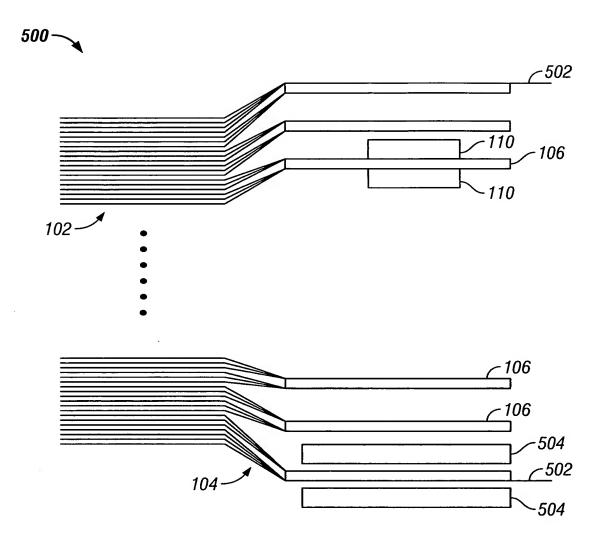


FIG. 5

6/17

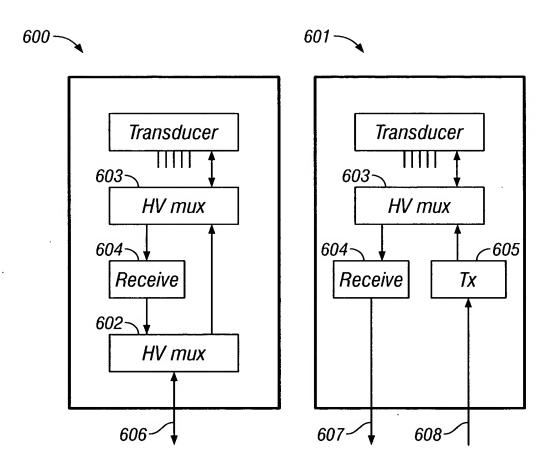
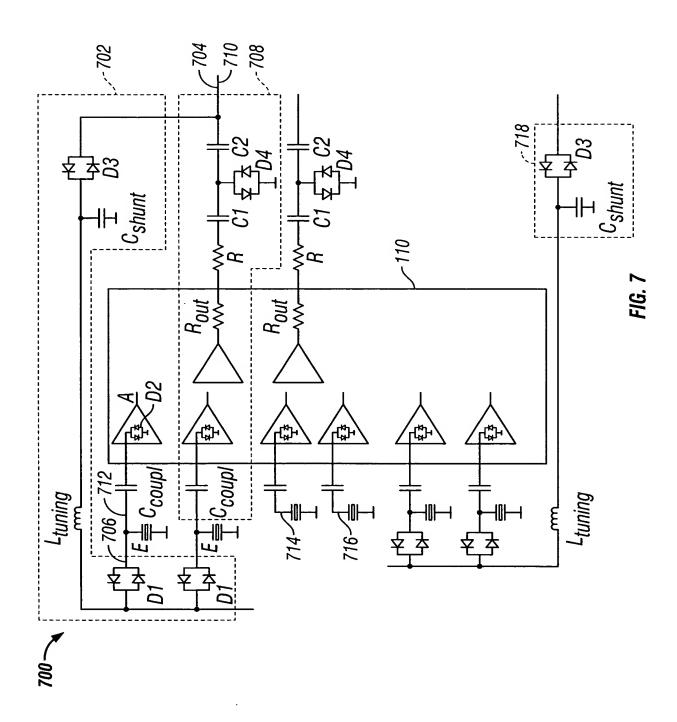


FIG. 6



802		804	
To a land on	4	Tunio a la due te no	
D3 and D4 Diode Arrays		Tuning Inductors D3 and D4 Diode Arrays	
Signal Proces	eors	Signal Processors	
110 Orginar 1 10003	110	··· _	110]
D1 Diode Arı	rays	D1 Diode Arrays	
Transducer Flex C	onnector	Transducer Flex Conne	ctor

FIG. 8

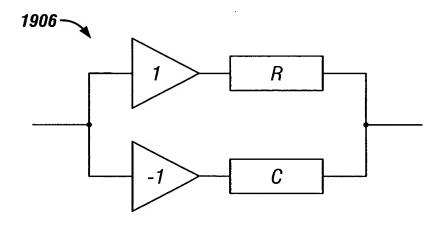


FIG. 11

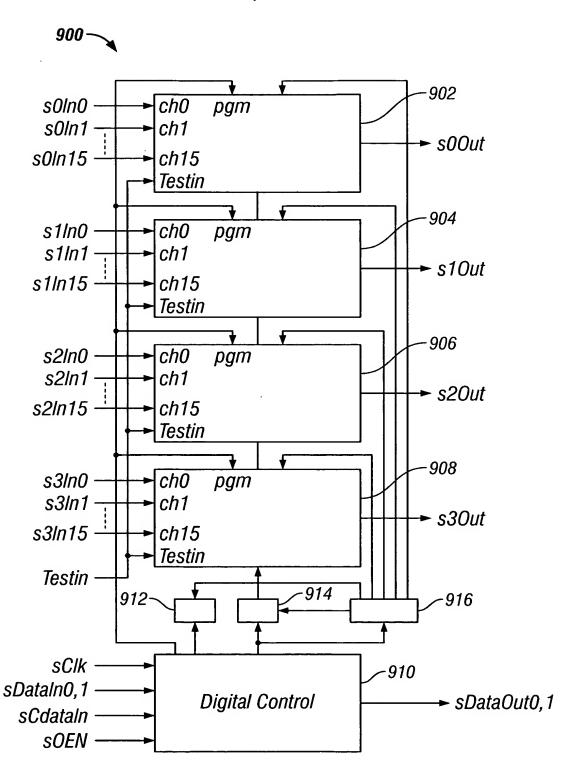
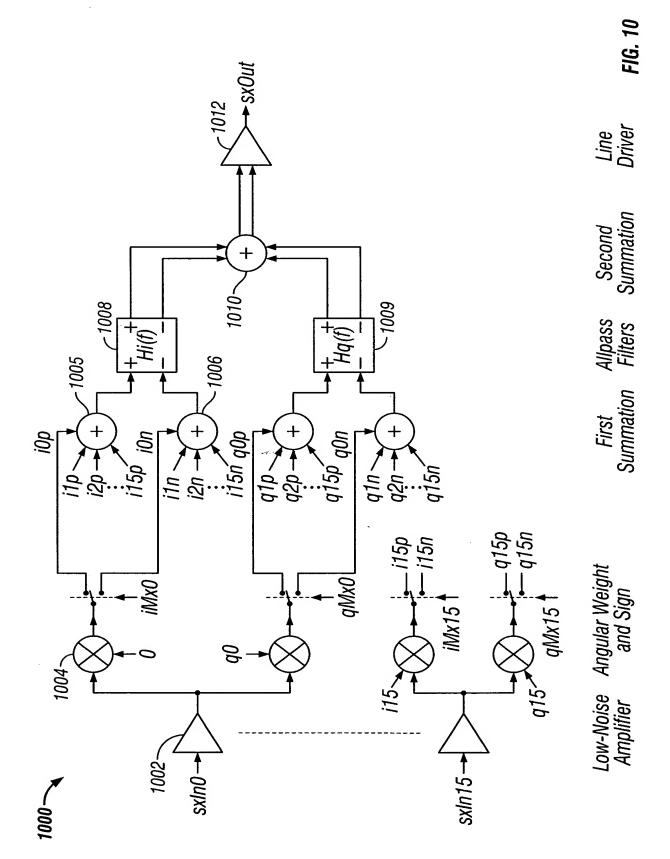
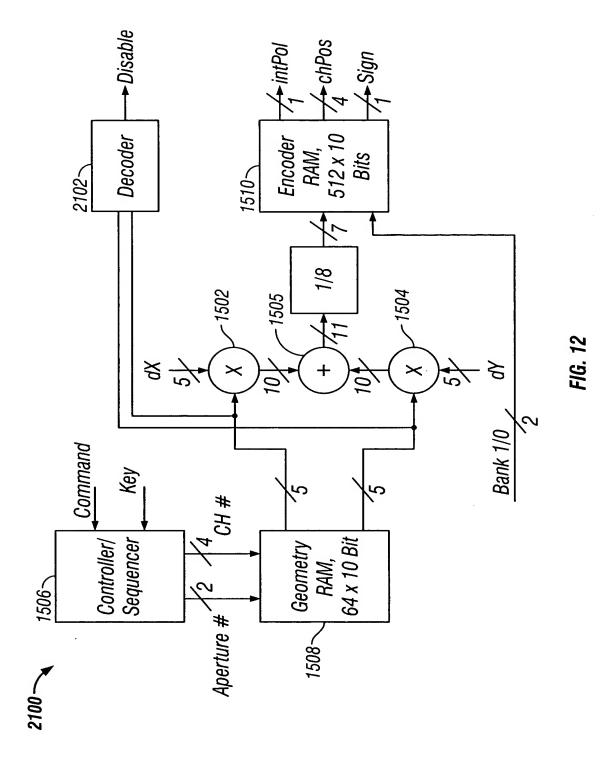


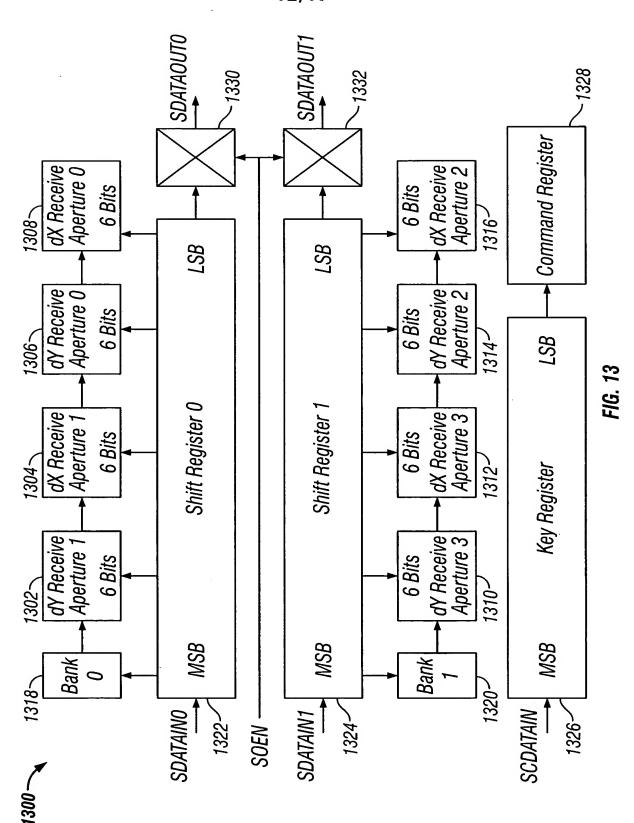
FIG. 9

/N: 10/719,417 DOCKET: 135274 (AT 12553-01043 ATTORNEY: Dean Small PHONE: (314) 621-5070



S/N: 10/719,417 DOCKET: 135274 (AT 12553-01043) ATTORNEY: Dean Small PHONE: (314) 621-5070





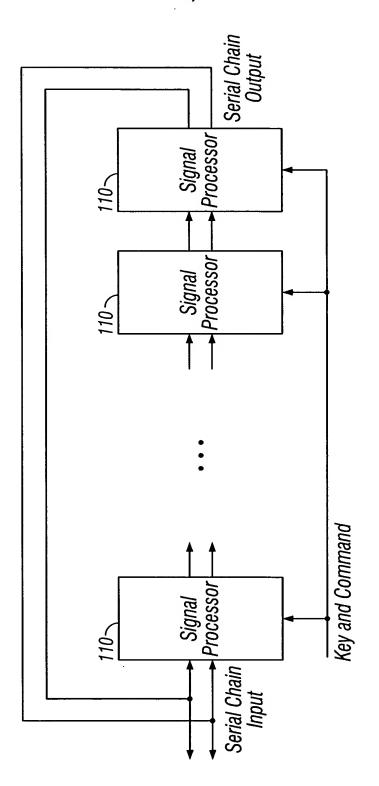
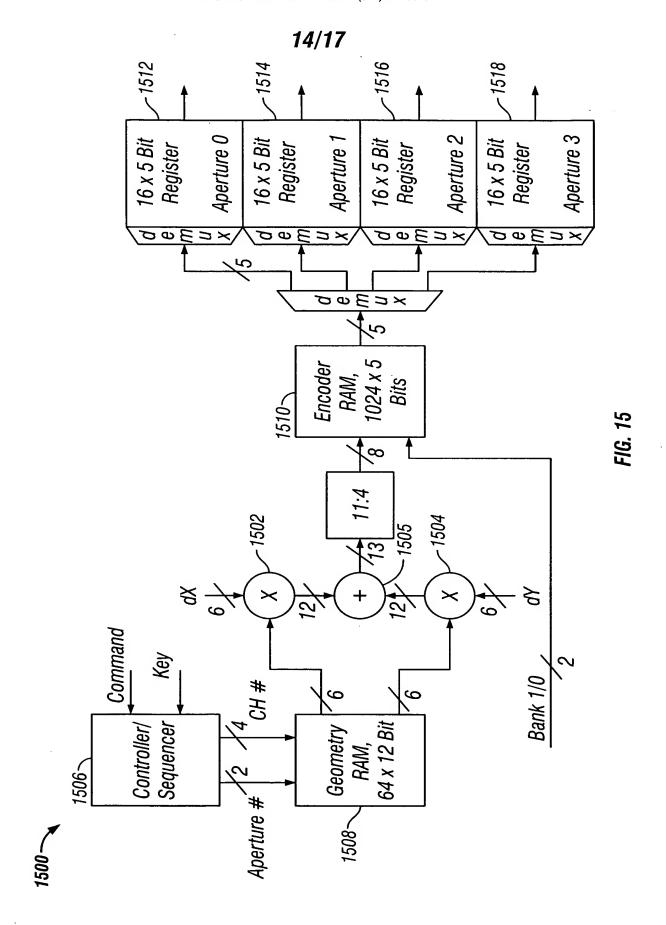


FIG. 14

S/N: 10/719,417 DOCKET: 135274 (AT 12553-01043) ATTORNEY: Dean Small PHONE: (314) 621-5070



1600 Begin

-1602

Receive, at Signal Processors Distributed Over Processing Boards, Multiple Receive Signals from Acoustic Transducer Elements that Form Triangular Receive Apertures that are Not Partitioned Between Processing Boards

-1604

Multiplex at Least One of the Acoustic Transducer Elements Between the Receive Aperture and a Square Transmit Aperture

-1606

Drive a Receive Aperture Output with a Signal Obtained Over the Acoustic Transducer Elements in the Receive Aperture

~1608

Couple Transmit Signals to Multiple Transmit Apertures Over Transmit Signal Connections Distributed Between Multiple Processing Boards that Do Not Partition the Transmit Apertures Between Processing Boards

> **↓** End

FIG. 16

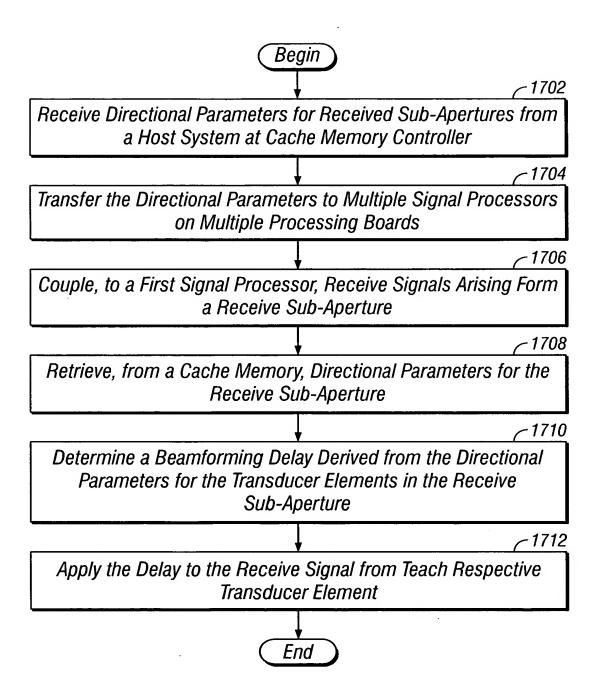


FIG. 17

TITLE: Ultrasound Probe Distributed Beamformer INVENTORS: Geir Ultveit Haugen, Per Ame Linnerud and Kjell Kristoffersen S/N: 10/719,417 DOCKET: 135274 (AT 12553-01043) ATTORNEY: Dean Small PHONE: (314) 621-5070

